## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/828,934	
Source:	IFWQ	
Date Processed by STIC:	10/15/04	

# ENTERED



DATE: 10/15/2004

**IFWO** 

PATENT APPLICATION: US/10/828,934 TIME: 10:35:43 Input Set : A:\Utmb1022.app Output Set: N:\CRF4\10152004\J828934.raw 3 <110> APPLICANT: GORENSTEIN, DAVID G. LUXON, BRUCE A. KANG, JONGHOON LEE, MYUNG SOOG COPELAND III, JOHN ALTON 9 <120> TITLE OF INVENTION: COMBINATORIAL SELECTION OF PHOSPHOROTHIOATE SINGLE-STRANDED DNA APTAMERS FOR TGF-BETA-1 PROTEIN 12 <130> FILE REFERENCE: UTMB:1022 14 <140> CURRENT APPLICATION NUMBER: 10/828,934 15 <141> CURRENT FILING DATE: 2004-04-21 17 <150> PRIOR APPLICATION NUMBER: 10/272,509 18 <151> PRIOR FILING DATE: 2002-10-16 20 <150> PRIOR APPLICATION NUMBER: 09/425,798 21 <151> PRIOR FILING DATE: 1999-10-25 23 <150> PRIOR APPLICATION NUMBER: 09/425,804 24 <151> PRIOR FILING DATE: 1999-10-25 26 <150> PRIOR APPLICATION NUMBER: 60/105,600 27 <151> PRIOR FILING DATE: 1998-10-26 29 <160> NUMBER OF SEQ ID NOS: 63 31 <170> SOFTWARE: PatentIn Ver. 3.2 33 <210> SEQ ID NO: 1 34 <211> LENGTH: 74 35 <212> TYPE: DNA 36 <213> ORGANISM: Artificial Sequence 38 <220> FEATURE: 39 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide 42 <220> FEATURE: 43 <221> NAME/KEY: modified\_base 44 <222> LOCATION: (24)..(53) 45 <223> OTHER INFORMATION: a, t, c or g 47 <400> SEQUENCE: 1 W--> 48 cagtccggat gctctagagt gacnnnnnnn nnnnnnnnn nnnnnnnnn nnncgaatct 60 49 cqtqaaqccq aqcq 52 <210> SEQ ID NO: 2 53 <211> LENGTH: 23 54 <212> TYPE: DNA 55 <213> ORGANISM: Artificial Sequence 57 <220> FEATURE: 58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide primer

RAW SEQUENCE LISTING

23

62 cagtccggat gctctagagt gac

61 <400> SEQUENCE: 2

5

10

## RAW SEQUENCE LISTING DATE: 10/15/2004 PATENT APPLICATION: US/10/828,934 TIME: 10:35:43

Input Set : A:\Utmb1022.app

Output Set: N:\CRF4\10152004\J828934.raw

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RAW SEQUENCE LISTING DATE: 10/15/2004 PATENT APPLICATION: US/10/828,934 TIME: 10:35:43

Input Set : A:\Utmb1022.app

Output Set: N:\CRF4\10152004\J828934.raw

135 <220> FEATURE: 136 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide 139 <400> SEQUENCE: 8 140 tgtgtctatc gctgcaccgt gtccataca 29 143 <210> SEQ ID NO: 9 144 <211> LENGTH: 30 145 <212> TYPE: DNA 146 <213> ORGANISM: Artificial Sequence 148 <220> FEATURÉ: 149 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide 152 <400> SEQUENCE: 9 153 gtgtgcgttg tctgtccgtt tcctgtccac 30 156 <210> SEQ ID NO: 10 157 <211> LENGTH: 30 158 <212> TYPE: DNA 159 <213> ORGANISM: Artificial Sequence 161 <220> FEATURE: 162 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide 165 <400> SEQUENCE: 10 30 166 tgtggcgttg atatcgactg tccttgccac 169 <210> SEQ ID NO: 11 170 <211> LENGTH: 30 171 <212> TYPE: DNA 172 <213> ORGANISM: Artificial Sequence 174 <220> FEATURE: 175 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 176 oligonucleotide 178 <400> SEQUENCE: 11 30 179 ttggttgatg tgcatcgctg ttcctgtcca 182 <210> SEQ ID NO: 12 183 <211> LENGTH: 30 184 <212> TYPE: DNA 185 <213> ORGANISM: Artificial Sequence 187 <220> FEATURE: 188 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 189 oligonucleotide 191 <400> SEQUENCE: 12 30 192 tgggtcgctg atcgcatcga tactctccac 195 <210> SEQ ID NO: 13 196 <211> LENGTH: 30 197 <212> TYPE: DNA 198 <213> ORGANISM: Artificial Sequence 200 <220> FEATURE: 201 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide 204 <400> SEQUENCE: 13

## RAW SEQUENCE LISTING DATE: 10/15/2004 PATENT APPLICATION: US/10/828,934 TIME: 10:35:43

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Output Set: N:\CRF4\10152004\J828934.raw

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		SEQ ID NO: 17	
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254	\ZZ3/	oligonucleotide	0,110110020
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#### DATE: 10/15/2004 RAW SEQUENCE LISTING TIME: 10:35:43 PATENT APPLICATION: US/10/828,934 Input Set : A:\Utmb1022.app Output Set: N:\CRF4\10152004\J828934.raw 276 <213> ORGANISM: Artificial Sequence 278 <220> FEATURE: 279 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide 282 <400> SEQUENCE: 19 30 283 tggatcgctt atcgcctcga tcattgccca 286 <210> SEQ ID NO: 20 287 <211> LENGTH: 30 288 <212> TYPE: DNA 289 <213> ORGANISM: Artificial Sequence 291 <220> FEATURE: 292 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 293 oligonucleotide 295 <400> SEQUENCE: 20 30 296 ttgttgtact ggcatcgcct cgactcgctg 299 <210> SEQ ID NO: 21 300 <211> LENGTH: 41 301 <212> TYPE: DNA 302 <213> ORGANISM: Artificial Sequence 304 <220> FEATURE: 305 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus oligonucleotide sequence 306 308 <220> FEATURE: 309 <221> NAME/KEY: modified base 310 <222> LOCATION: (1)..(2) 311 <223> OTHER INFORMATION: a, t, c or g 313 <220> FEATURE: 314 <221> NAME/KEY: modified base 315 <222> LOCATION: (6) 316 <223> OTHER INFORMATION: a, t, c or g 318 <220> FEATURE: 319 <221> NAME/KEY: modified base 320 <222> LOCATION: (9)..(10) 321 <223> OTHER INFORMATION: a, t, c or g 323 <220> FEATURE: 324 <221> NAME/KEY: modified\_base 325 <222> LOCATION: (13)..(15) 326 <223> OTHER INFORMATION: a, t, c or g 328 <220> FEATURE: 329 <221> NAME/KEY: modified\_base 330 <222> LOCATION: (19)..(20) 331 <223> OTHER INFORMATION: a, t, c or g 333 <220> FEATURE: 334 <221> NAME/KEY: modified\_base

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/15/2004 PATENT APPLICATION: US/10/828,934 TIME: 10:35:44

Input Set : A:\Utmb1022.app

Output Set: N:\CRF4\10152004\J828934.raw

### ase Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the quence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

(#:1; N Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43)
(#:1; N Pos. 44,45,46,47,48,49,50,51,52,53)
(#:21; N Pos. 1,2,6,9,10,13,14,15,19,20,26,28,30,31,32,35,40,41)
(#:59; N Pos. 11,20)

### VERIFICATION SUMMARY

PATENT APPLICATION: US/10/828,934

DATE: 10/15/2004 TIME: 10:35:44

Input Set : A:\Utmb1022.app

Output Set: N:\CRF4\10152004\J828934.raw

18 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0 359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0 366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0